FIG. 1

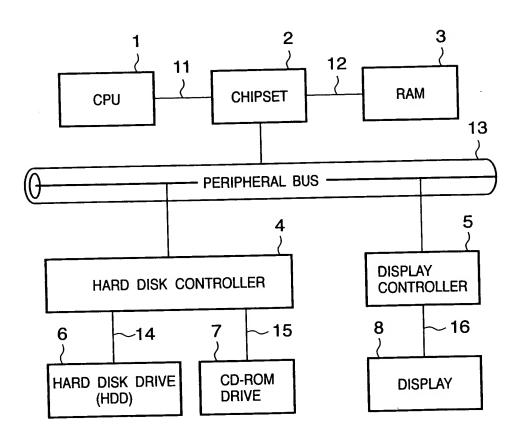


FIG. 2

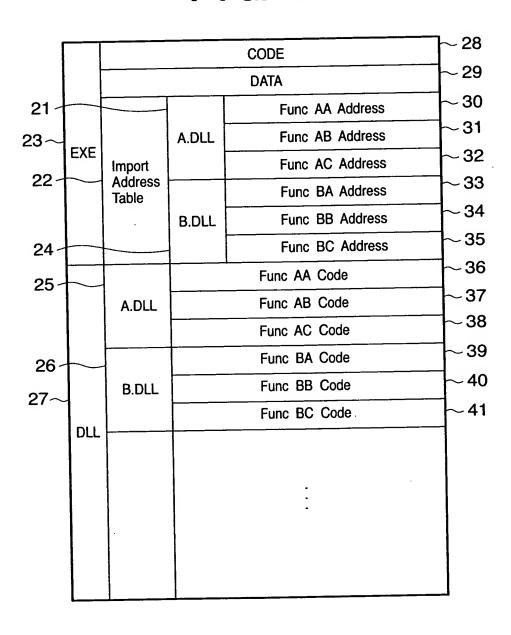
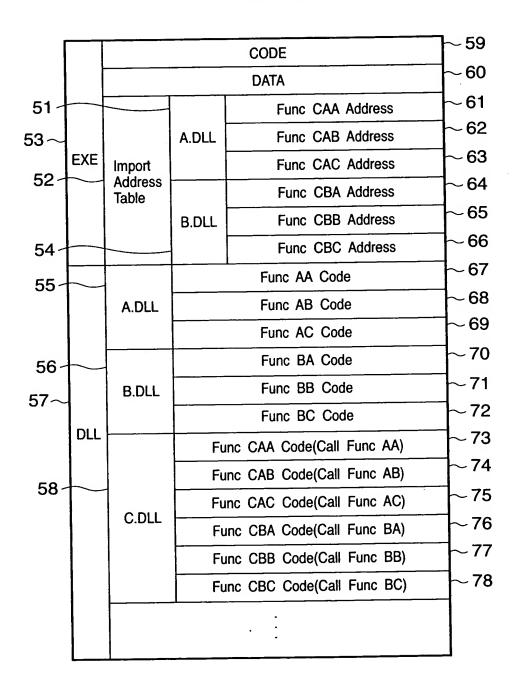


FIG. 3



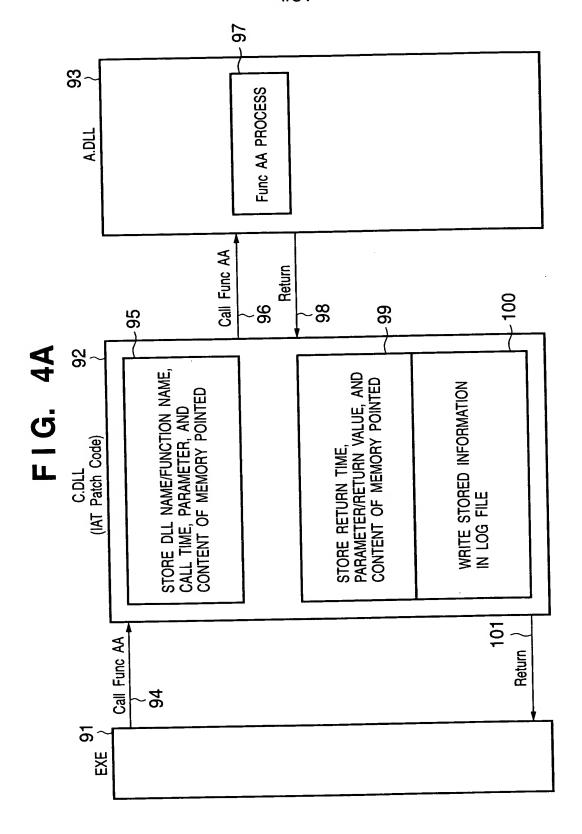


FIG. 4B

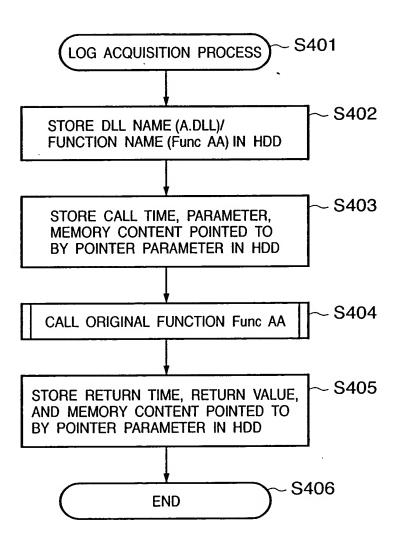


FIG. 5

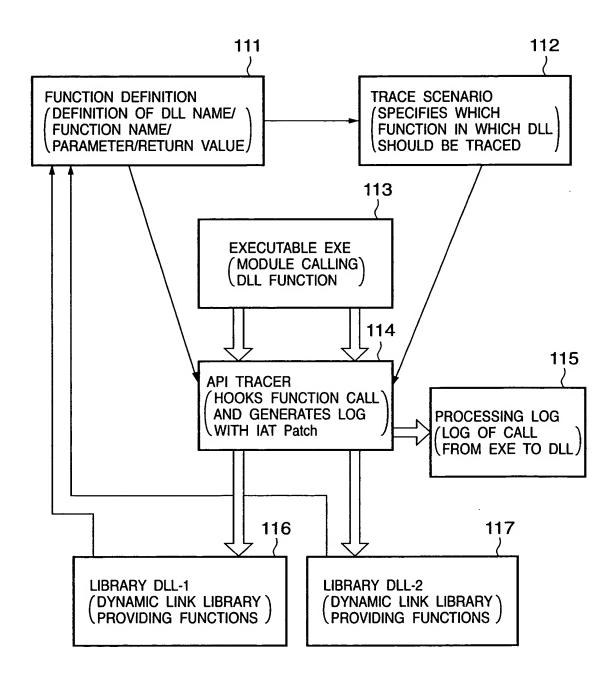
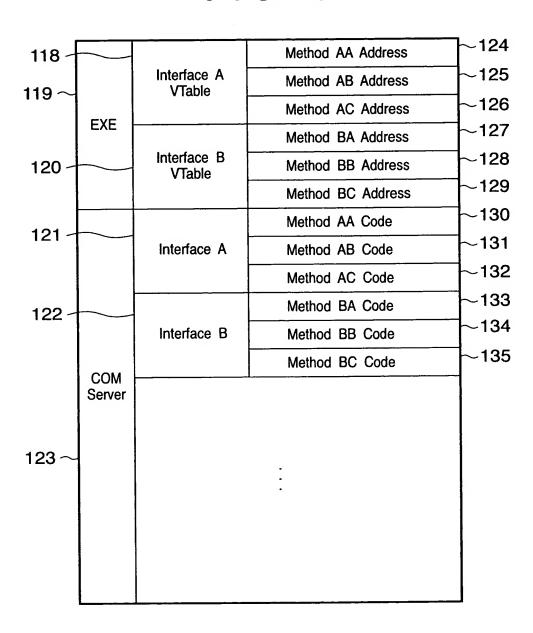


FIG. 6



136			Method A'A Address	~145
137~		Interface A' VTable	Method A'B Address	~146
137~	EXE		Method A'C Address	~147
		Interface B' VTable	Method B'A Address	~148
138 -			Method B'B Address	~149
			Method B'C Address	150
100	COM Server	Interface A	Method AA Code	├ ~151
139 -			Method AB Code	~152
			Method AC Code	~153
		Interface B	Method BA Code	~154
			Method BB Code	~155
141 -			Method BC Code	156
1.40			•	
140~			•	
142 -	DLL	Interface A'	Method A'A Code (Call Method AA)	~157
			Method A'B Code (Call Method AB)	~158
			Method A'C Code (Call Method AC)	~159
144 -			Method B'A Code (Call Method BA)	~160
		Interface B'	Method B'B Code (Call Method BB)	~161
143~			Method B'C Code (Call Method BC)	

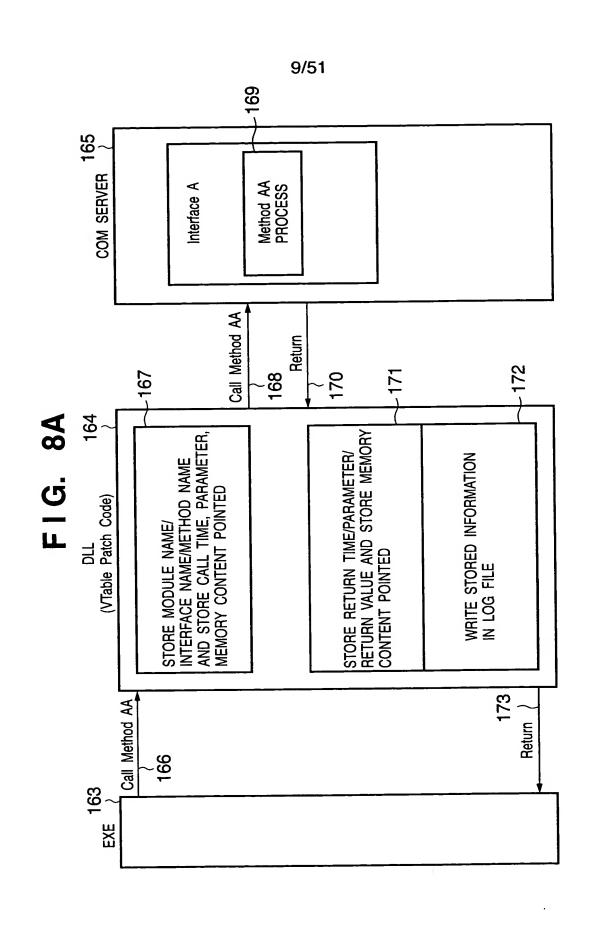


FIG. 8B

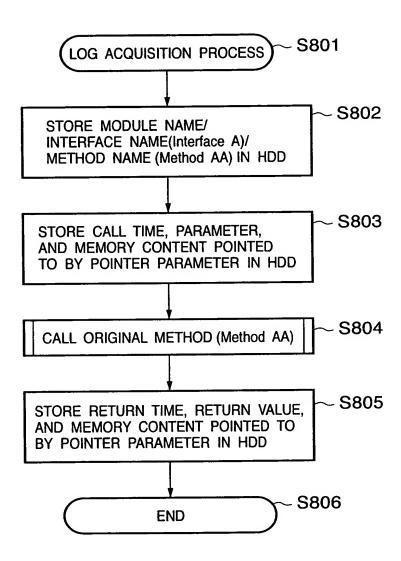
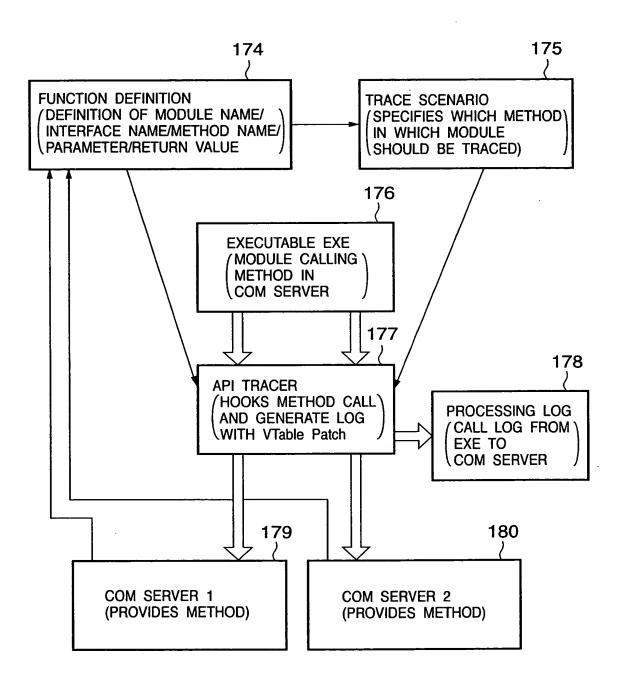
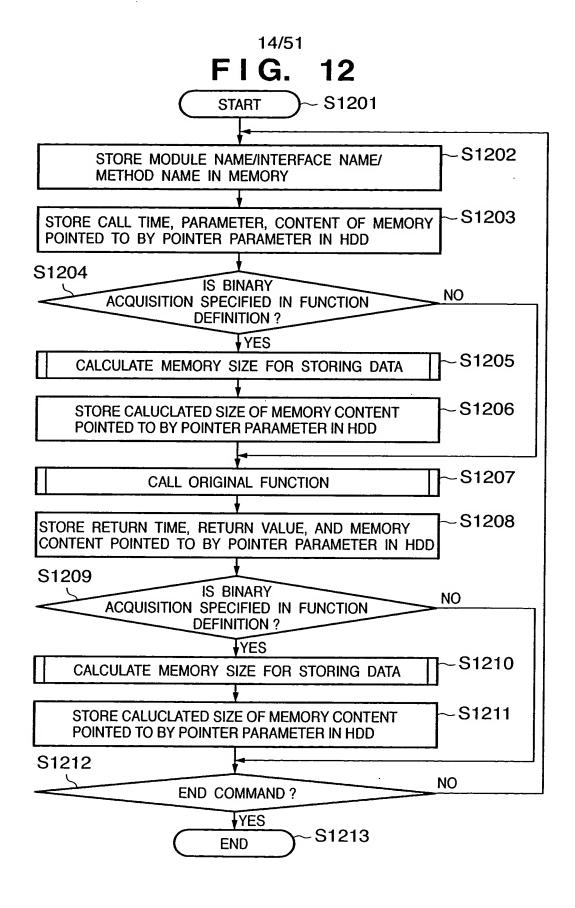


FIG. 9



```
//TestDIIStd
     uuid(58DB5633-0694-4340-97CE-4E1AC6BFFBA7),
     helpstring("TestDIIStd Type Library For PAT"),
     version(1,0)
library TestDIIStd
        typedef [public] struct
                 char chParam;
                 unsigned char uchParam;
                 short sParam;
                 unsigned short usParam;
                 int nParam;
                 unsigned int unParam;
                 long IParam;
                 unsigned long ulParam;
                 double dbParam;
                 float fParam;
         }TESTSTRUCT;
        typedef [public] TESTSTRUCT *LPTESTSTRUCT;
//DEFINE_GUID(GUID_PROGID, 0x8e037d65, 0xefa0, 0x40e7, 0x91, 0x43, 0xef, 0x70, 0x56,
0x94, 0x5b, 0x79);
      uuid(8E037D65-EFA0-40e7-9143-EF7056945B79),
      helpstring("TestDIIStd.dll for PAT object"),
         interface
         test
         {
                 char_stdcall FuncCharStd([in] char chPram);
                 char* stdcall FuncPCharStd([in, out] char* lpchParam);
                 TESTSTRUCT_stdcall FuncStructStd[in]TESTSTRUCT TestStruct);
                  LPTESTSTRUCT\_stdcall \ \ FuncPStructStd([in, \ out]LPTESTSTRUCTIp \ \ TestStruct): \\
        }:
```

```
200
interface
test
{
                                                        201
       void_stdcall FuncBinidls
               [out, custom(PAT_PARAM_ATTR_ID, "binid_is()")] long* lplParam
       void_stdcall FuncSizels
                                                         202
               [in] DWORD dwCount,
               [out, custom(PAT_PARAM_ATTR_ID, "sizeis_is(dwCount)")] int* lpnParam
       void_stdcall FuncLengthls
                                                         203
               [in] DWORD dwLength,
               [in, custom(PAT_PARAM_ATTR_ID, "lentgth_is(dwLength)")] char* lpszParam
       void_stdcall FuncBytesIs
                                                         204
               [in] DWORD dwSize,
              [in, custom(PAT_PARAM_ATTR_ID, "bytes_is(dwSize)")] void* IpParam
                                                     205
       void_stdcall FuncBytesls2
              [out, custom(PAT_PARAM_ATTR_ID, "bytes_is(12)")] void* IpParam
       );
};
```



```
ឧឧឧឧ
                                                                                                                                                                                                                                                                                                                       211
                                                                                         03 A5
03 A5
03 A5
03 A5
                                                                                                                                                                                                                                       ೫
                                                                                                                                                                                                                                       49
                                                                                                                                                                                                                                       ಣ
                                                                                          44444
                                                                                                                                                                                            8
                                                                                                                                                                                           20
                                 00000000:10 00 00 00
                                                                                         88888
                                                                                                                                                                                                                                      66 B2
                                                                                      00000000:66 4A 70
                                                                                                                                                                                                                                     00000000 : 01 5D
                                                      DataID: 0x0002
Size: 40
DataID : 0x0001
Size : 4
                                                                                                                                                         DataID: 0x0003
Size: 5
                                                                                                                                                                                                                DataID: 0x0004
                                                                                                                                                                                                                                                               :
                                                                                                                                                                                       FuncLengthis DWORD dwLength:5 char* lpszParam:0x503860C/0x66, DataID=0x0003
                                                                                    TestDIIStd. DLL
: FuncSizels
DWORD dwCount: 10
int* lpnParam: 0x5034207D/0x5, DataID=0x0002
void:
2002/03/25 22: 24: 12.046
2002/03/25 22: 24: 12.057
                               long* IpParam: 0x5034206D/0x10, DataID=0x0001
void:
2002/03/25 22: 24: 12.025
2002/03/25 22: 24: 12.035
                                                                                                                                                                                                                                                                                                                void* IpParam: 0x503870C/, DataID=0x0004
                                                                                                                                                                                                                                                                                                                                     void:
2002/03/25 22:24:12.100
2002/03/25 22:24:12.179
                                                                                                                                                                                                                                   void:
2002/03/25 22:24:12.068
2002/03/25 22:24:12.079
                                                                                                                                                                                                                                                                              TestDIIStd. DLL
FuncBytesIs
DWORD dwSize:7
                                                                                                                                                                             TestDIIStd. DLL
           FuncBinidls
        FUNCTION NAME: F
ARGUMENT(n): Ic
ARGUMENT(out): Ic
RETURN VALUE: W
IN TIME: 2
                                                                                   MODULE NAME: F
FUNCTION NAME: F
ARGUMENT(in): E
ARGUMENT(out): ii
RETURN VALUE: v
IN TIME:
                                                                                                                                                                                                                                                                            MODULE NAME: 7
FUNCTION NAME: F
ARGUMENT(in): 1
                                                                                                                                                                           MODULE NAME:
FUNCTION NAME:
ARGUMENT(in):
                                                                                                                                                                                                                       ARGUMENT(out):
RETURN VALUE:
IN TIME:
OUT TIME:
                                                                                                                                                                                                                                                                                                                         ARGUMENT(out):
RETURN VALUE:
IN TIME:
OUT TIME:
```

```
#define PAT_PARAM_ATTR_ID 00000000-0000-0000-000000000000
typedef [public] struct — 220
     [in, custom(PAT_PARAM_ATTR_ID, "funcname_is(FuncInternal1)")] DWORD pfnFuncInternal1;
     [in, custom(PAT_PARAM_ATTR_ID, "funcname_is(FuncInternal2)")] DWORD pfnFuncInternal2;
     [in, custom(PAT_PARAM_ATTR_ID, "funcname_is(FuncInternal3)")] DWORD pfnFuncInternal3;
     [in, custom(PAT_PARAM_ATTR_ID, "funcname_is(FuncInternal4)")] DWORD pfnFuncInternal4;
YFUNCPOINTERARRAY;
interface
test
                                                                         221
     void_stdcall SetCallBack
          [in, custom(PAT_PARAM_ATTR_ID, "funcname_is(FuncCallBack)")] DWORD
pfnFuncCallBack
     void FuncCallBack([in] int nParam); 222
     void_stdcall GetFuncPointer
          [out, custom(PAT_PARAM_ATTR_ID, "funcname_is(FuncInternal)")] DWORD
pfnFuncInternal
     void FuncInternal([in, out] char* lpszParam); 224
     void_stdcall GetFuncPointerArray
          [out]FUNCPOINTERARRAY* pFuncPointerArray; ~ 225
     void FuncInternal1([in] int nParam);
     void FuncInternal2([in, out] char* lpzaParam);
     void FuncInternal3([out] DWORD* dwParam); ~ 226
     void FuncInternal4([);
```

FIG. 15

	EXE	CODE				
230-		DATA				
		<u> </u>	<u> </u>	T	-	
		Import Address Table	A.DLL	Func CAA Address	4	
				Func CAB Address	4	
				Func CAC Address	_	
			B.DLL	Func CBA Address	_	
				Func CBB Address]	
				Func CBC Address]	
	DLL	A.DLL	Func AA Code]	
			Func AB Code			
			Func AC Code		1	
			Func AD Code		~231	
		B.DLL	Func BA Code		20.	
			·····			
		C.DLL.	Fui			
			Func CAB Code(Call Func AB)		:	
			Func CAC Code(Call Func AC)			
			Func CBA Code(Call Func BA)			
			Func CBB Code(Call Func BB)			
			Func CBC Code(Call Func BC)			
				~232		
	ľ			c CAD Code(Call Func AD)	- 202	
İ						
L						

18/51 FIG. 16 - S1601 START -S1602 STORE MODULE NAME/INTERFACE NAME/ METHOD NAME IN HDD -S1603 STORE CALL TIME, PARAMETER, AND MEMORY CONTENTS POINTED TO BY POINTER PARAMETER IN HDD S1604 IS functimame is NO SPECIFIED IN FUNCTION DEFINITION? **¥YES** S1605 GENERATE LOG ACQUISITION CODE STORE VALUE DEFINED IN funcname_is AND REPLACE -S1606 IT WITH ADDRESS OF LOG ACQUISITION CODE -S1607 CALL ORIGINAL FUNCTION -S1608 STORE RETURN TIME, RETURN VALUE, AND MEMORY CONTENTS POINTED TO BY POINTER PARAMETER IN HDD S1609 IS funcname_is NO SPECIFIED IN FUNCTION DEFINITION? **¥YES** S1610 GENERATE LOG ACQUISITION PROCESS CODE ~S1611 STORE VALUE DEFINED IN funcname_is AND REPLACE IT WITH POINTER TO LOG ACQUISITION CODE S1612 NO **END COMMAND? YES** -S1613 END

MODULE NAME:

TestDIIStd. DLL

FUNCTION NAME:

SetCallBack

ARGUMENT(in):

DWORD pfnFuncCallBack: 0x0299103F

ARGUMENT(out):

RETURN VALUE: void:

IN TIME: OUT TIME: 2002/03/25 22:24:12.025 2002/03/25 22:24:12.035

MODULE NAME:

FUNCTION NAME:

TestDIIStd. DLL GetFuncPointer

ARGUMENT(in):

ARGUMENT(out):

DWORD pfnFuncInternal: 0x29913dF

RETURN VALUE:

IN TIME: OUT TIME:

2002/03/25 22:24:12.046 2002/03/25 22:24:12.057

MODULE NAME:

TestDIIStd. DLL GetFuncPointerArray

ARGUMENT(in):

FUNCTION NAME:

ARGUMENT(out):

FUNCPOINTERARRAY* pFuncPointerArray: 0x503860C

DWORD FUNCPOINTERARRAY. pfnFuncInternal1:0x02997670 DWORD FUNCPOINTERARRAY. pfnFuncInternal2:0x02997708 DWORD FUNCPOINTERARRAY. pfnFuncInternal3:0x029977BE DWORD FUNCPOINTERARRAY. pfnFuncInternal4:0x0299784F

RETURN VALUE:

void:

IN TIME:

2002/03/25 22:24:12.068 2002/03/25 22:24:12.079

OUT TIME:

20/51

FIG. 18

MODULE NAME: TestDIIStd. DLL
FUNCTION NAME: SetCallBack
ARGUMENT(in): DWORD pfnFuncCallBack: 0x0299103F

ARGUMENT(out):

RETURN VALUÉ: void:

IN TIME :

2002/03/25 22:24:12.025 2002/03/25 22:24:12.035

MODULE NAME: TestDIIStd. DLL FUNCTION NAME: FuncCallBack int nParam: 100

ARGUMENT(out):

RETURN VALUE: void:

IN TIME: 2002/03/25 22:24:12.036 OUT TIME: 2002/03/25 22:24:12.040

MODULE NAME : TestDIIStd. DLL FUNCTION NAME : GetFuncPointer

ARGUMENT(in):

ARGUMENT(out): DWORD pfnFuncInternal: 0x029913dF

RETURN VALUÉ: void:

IN TIME: 2002/03/25 22:24:12.046 OUT TIME: 2002/03/25 22:24:12.057

MODULE NAME: TestDIIStd. DLL FUNCTION NAME: FuncInternal1

ARGUMENT(in): char* lpszParam: 0x5038600/0 char* lpszParam: 0x5038600/-12

RETURN VALUÉ: void:

IN TIME: 2002/03/25 22:24:12.060 OUT TIME: 2002/03/25 22:24:12.065

MODULE NAME: TestDIIStd. DLL FUNCTION NAME: GetFuncPointArray

ARGUMENT(in):

ARGUMENT(out): FUNCPOINTERARRAY* pFuncPointerArray: 0x503860C

DWORD FUNCPOINTERARRAY. pfnFuncInternal1:0x02997670
DWORD FUNCPOINTERARRAY. pfnFuncInternal2:0x02997708
DWORD FUNCPOINTERARRAY. pfnFuncInternal3:0x029977BE
DWORD FUNCPOINTERARRAY. pfnFuncInternal4:0x0299784F

RETURN VALUE: void

IN TIME: 2002/03/25 22:24:12.068 OUT TIME: 2002/03/25 22:24:12.079

MODULE NAME : TestDIIStd. DLL FUNCTION NAME : FuncInternal4

ARGUMENT(in): ARGUMENT(out):

RETURN VALUÉ: void:

IN TIME: 2002/03/25 22:24:12.080 OUT TIME: 2002/03/25 22:24:12.099

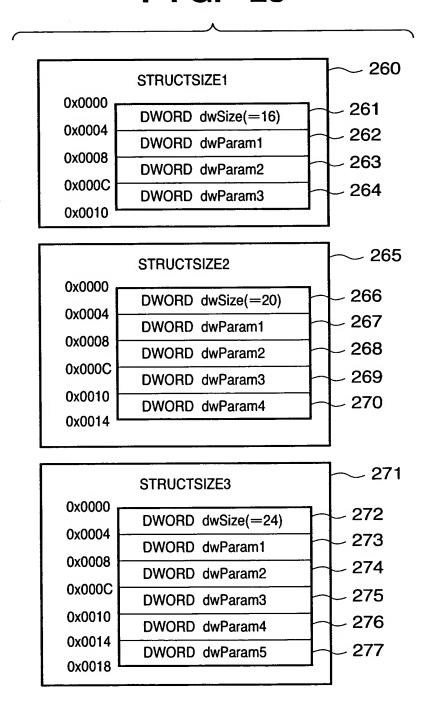
22/51 FIG. **20** - S2001 **START** S2002 STORE MODULE NAME/INTERFACE NAME/ METHOD NAME IN HDD S2003 IS VARIABLE-LENGTH ARRAY NO ACQUISITION SPECIFIED IN FUNCTION **DEFINITION? ↓YES** -S2004 TREAT POINTER PARAMETER VARIABLE **DEFINITIONS SPECIFIED AS ARRAY** -S2005 STORE CALL TIME, PARAMETER, AND MEMORY CONTENT POINTED TO BY POINTER PARAMETER IN HDD -S2006 **CALL ORIGINAL FUNCTION** S2007 IS VARIABLE-LENGTH ARRAY NO ACQUISITION SPECIFIED IN FUNCTION **DEFINITION?** YES -S2008 TREAT POINTER PARAMETER VARIABLE DEFINITIONS SPECIFIED AS ARRAY -S2009 STORE RETURN TIME, RETURN VALUE, AND MEMORY CONTENT POINTED TO BY POINTER PARAMETER IN HDD S2010 NO **END COMMAND?** YES S2011 **END**

MODULE NAME: TestDIIStd. DLL FUNCTION NAME: FuncArrayIs DWORD dwCount: 4 ARGUMENT(in): int* lpnParam: 0x5034206D/0x00 ARGUMENT(out): int* IpnParam: 0x5034206D/0x01 RETURN VALUE: void: IN TIME: 2002/03/25 22:24:12.025 OUT TIME: 2002/03/25 22:24:12.035 250 MODULE NAME: TestDIIStd. DLL FUNCTION NAME: FuncArrayIs DWORD dwCount: 3 ARGUMENT(in): int* lpnParam: 0x5034207D/0x00 ARGUMENT(out): int* lpnParam: 0x5034207D/0x05 RETURN VALUE: void: 2002/03/25 22:24:12.046 IN TIME: OUT TIME: 2002/03/25 22:24:12.057 251 MODULE NAME: TestDIIStd. DLL FUNCTION NAME: FuncArrayIs DWORD dwCount: 4 ARGUMENT(in):

int* IpnParam: 0x5034206D/Array (int: 0:0x00, int: 1:0x00, int: 2:0x00, int: 3:0x00) int* lpnParam: 0x5034206D/Array (int: 0:0x01, int: 1:0x02, int: 2:0x03, int: 3:0x04) ARGUMENT(out) : RETURN VALUE: void: IN TIME: 2002/03/25 22:24:12.025 OUT TIME: 2002/03/25 22:24:12.035 MODULE NAME: TestDIIStd. DLL FUNCTION NAME: FuncArrayIs ARGUMENT(in): DWORD dwCount: 3 int* lpnParam: 0x5034207D/Array (int: 0:0x00, int: 1:0x00, int: 2:0x00) int* IpnParam: 0x5034207D/Array (int: 0:0x05, int: 1:0x10, int: 2:0x15) ARGUMENT(out) : RETURN VALUE: void: IN TIME: 2002/03/25 22:24:12.046 OUT TIME: 2002/03/25 22:24:12.057

```
typedef struct
       DWORD dwSize;
       DWORD dwParam1:
       DWORD dwParam2;
       DWORD dwParam3;
}STRUCTSIZE1;
typedef struct
       DWORD dwSize;
       DWORD dwParam1;
       DWORD dwParam2;
       DWORD dwParam3:
       DWORD dwParam4;
}STRUCTSIZE2;
typedef struct
       DWORD dwSize;
       DWORD dwParam1;
       DWORD dwParam2;
       DWORD dwParam3;
       DWORD dwParam4;
       DWORD dwParam5;
}STRUCTSIZE3;
void FuncGetData (DWORD dwKind, void* lpBuf)
       switch(dwKind)
       }
       case 1:
               //IpBuf IS TREATED AS THE POINTER TO STRUCTSIZE1
               break;
       case 2:
               //IpBuf IS TREATED AS THE POINTER TO STRUCTSIZE2
               break;
       case 3:
               //IpBuf IS TREATED AS THE POINTER TO STRUCTSIZE3
               break;
       }
}
```

FIG. 23



```
290
typedef [public] struct
      [custom (PAT_PARAM_ATTR_ID, "structsize_is()")]DWORD dwSize;
      DWORD dwParam1;
      DWORD dwParam2;
      DWORD dwParam3;
      DWORD dwParam4;
      DWORD dwParam5;
)STRUCTSIZE; \sim 291
interface
test
{
      void FuncGetData
                               292
            [in] DWORD dwKind,
            [in, out] STRUCTSIZE* IpBuf
      );
};
```

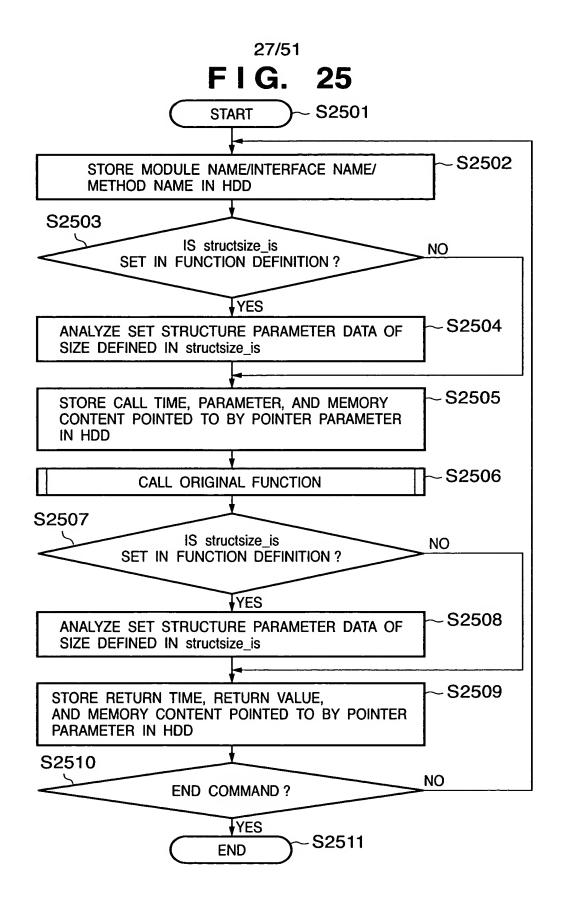
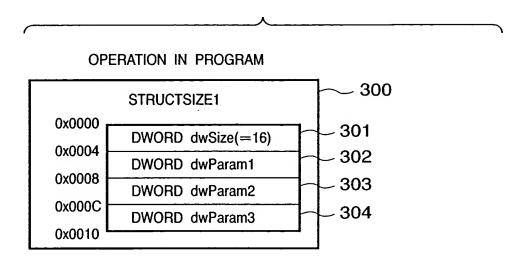
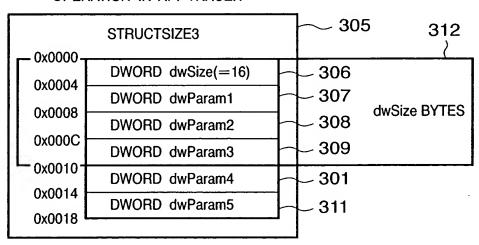


FIG. 26



OPERATION IN API TRACER



MODULE NAME: TestDIIStd. DLL
FUNCTION NAME: FuncGetData

ARCHMENT(in): DWORD dwKind

ARGUMENT(in): DWORD dwKind: 1

STRUCTSIZE* pBuf: 0x503860C
DWORD STRUCTSIZE. dwSize: 16
DWORD STRUCTSIZE. dwParam1: 0
DWORD STRUCTSIZE. dwParam2: 0
DWORD STRUCTSIZE. dwParam3: 0

ARGUMENT(out): STRUCTSIZE* pBuf: 0x503860C

DWORD STRUCTSIZE. dwSize: 16
DWORD STRUCTSIZE. dwParam1: 1
DWORD STRUCTSIZE. dwParam2: 2
DWORD STRUCTSIZE. dwParam3: 3

RETURN VALUE: void:

IN TIME: 2002/03/25 22:24:12.025 OUT TIME: 2002/03/25 22:24:12.035

MODULE NAME: TestDIIStd. DLL
FUNCTION NAME: FuncGetData
ARGUMENT(in): DWORD dwKind: 3

STRUCTSIZE* pBuf: 0x503990C DWORD STRUCTSIZE. dwSize: 24 DWORD STRUCTSIZE. dwParam1: 0

DWORD STRUCTSIZE. dwParam2:0 DWORD STRUCTSIZE. dwParam3:0 DWORD STRUCTSIZE. dwParam4:0 DWORD STRUCTSIZE. dwParam5:0

ARGUMENT(out): STRUCTSIZE* pBuf: 0x503990C

DWORD STRUCTSIZE. dwSize: 24
DWORD STRUCTSIZE. dwParam1: 10
DWORD STRUCTSIZE. dwParam2: 20
DWORD STRUCTSIZE. dwParam3: 30
DWORD STRUCTSIZE. dwParam4: 40
DWORD STRUCTSIZE. dwParam5: 50

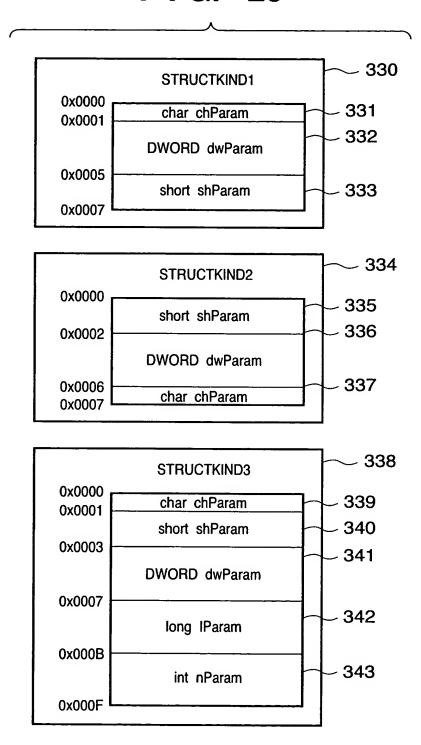
RETURN VALUE: void:

IN TIME: 2002/03/25 22:24:12.046 OUT TIME: 2002/03/25 22:24:12.057

...

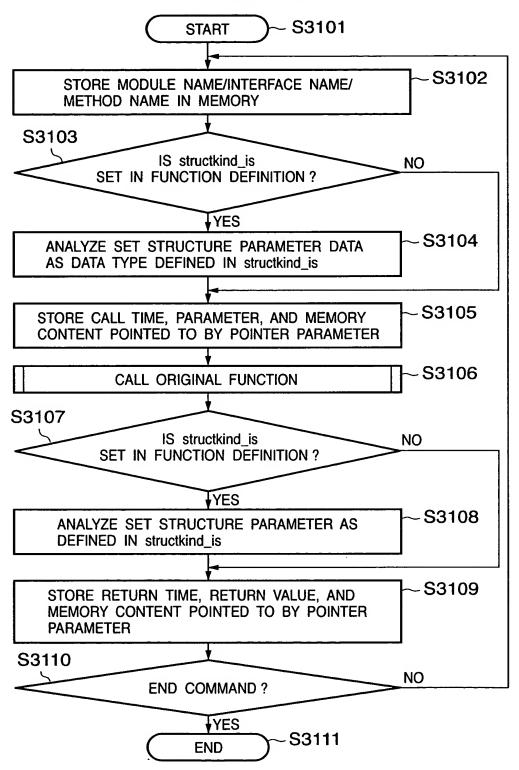
```
typedef struct
       char chParam;
       DWORD dwParam;
       short shParam;
}STRUCTKIND1;
typedef struct
       short shParam;
       DWORD dwParam;
       char chParam;
}STRUCTKIND2;
typedef struct
       char chParam;
       DWORD dwParam;
       short shParam;
       long IParam;
       int nParam;
}STRUCTKIND3;
void FuncGetData (DWORD dwKind, void* lpBuf)
       switch(dwKind)
       case 1:
               //IpBuf IS TREATED AS THE POINTER TO STRUCTKIND1
               break:
       case 2:
               //IpBuf is treated as the pointer to structkind2
               break;
       case 3:
               //IpBuf IS TREATED AS THE POINTER TO STRUCTKIND3
               break;
       }
}
```

FIG. 29



```
#define PAT_PARAM_ATTR_ID 00000000-0000-0000-000000000000
typedef [public] struct
        char chParam;
        DWORD dwParam;
        short shParam;
}STRUCTKIND1;
typedef [public] struct
        short shParam;
        DWORD dwParam;
        char chParam;
)STRUCTKIND2;
typedef [public] struct
        char chParam;
        short shParam;
        DWORD dwParam;
        long IParam;
        int nParam;
)STRUCTKIND3;
interface
test
{
        void FuncGetData
                [in] DWORD dwKind,
                [in, out, custom(PAT_PARAM_ATTR_ID,
                "structKind_is(dwKind: 1: STRUCTKIND1*, 2: STRUCTKIND2*, 3: STRUCTKIND3*)")]
                void* lpBuf
        );
};
```

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MODULE NAME: TestDIIStd. DLL FUNCTION NAME: **FuncGetData**

ARGUMENT(in):

DWORD dwKind: 1

STRUCTKIND1* pBuf: 0x503860C char STRUCTKIND1. chParam: 0 DWORD STRUCTKIND1. dwParam: 0 short STRUCTKIND1. shParam: 0

ARGUMENT(out):

STRUCTKIND1* pBuf: 0x503860C char STRUCTKIND1, chParam: 1 DWORD STRUCTKIND1. dwParam: 2 short STRUCTKIND1, shParam: 3

RETURN VALUE:

void:

IN TIME: OUT TIME: 2002/03/25 22:24:12.025 2002/03/25 22:24:12.035

MODULE NAME: FUNCTION NAME:

TestDIIStd. DLL **FuncGetData**

DWORD dwKind: 3

ARGUMENT(in):

STRUCTKIND3* pBuf: 0x503990C char STRUCTKIND3, chParam: 0 short STRUCTKIND3, shParam: 0 DWORD STRUCTKIND3. dwParam: 0 long STRUCTKIND3. IParam: 0

int STRUCTKIND3. nParam: 0

ARGUMENT(out):

STRUCTKIND3* pBuf: 0x503990C char STRUCTKIND3. chParam: 10 short STRUCTKIND3. shParam: 20 DWORD STRUCTKIND3. dwParam: 30

long STRUCTKIND3. IParam: 40 int STRUCTKIND3. nParam: 50

RETURN VALUE:

void:

IN TIME:

2002/03/25 22:24:12.046

OUT TIME:

2002/03/25 22:24:12.057

FIG. 33

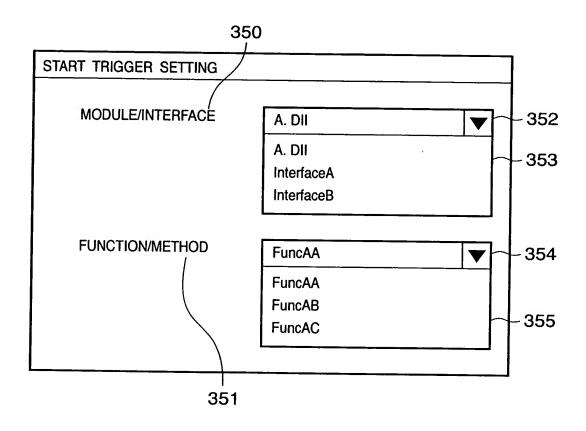


FIG. 34

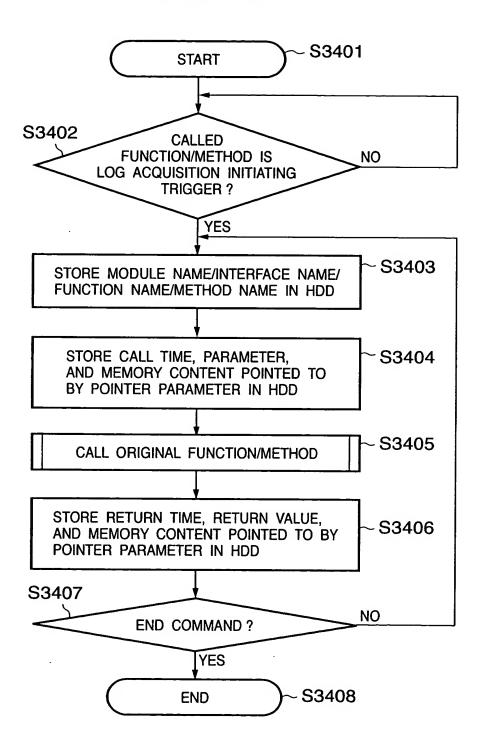


FIG. 35

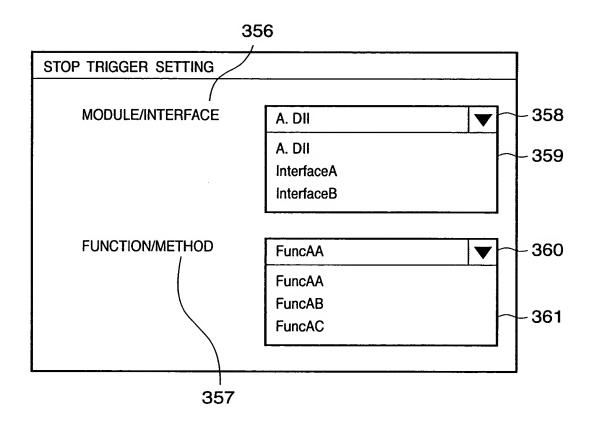


FIG. 36

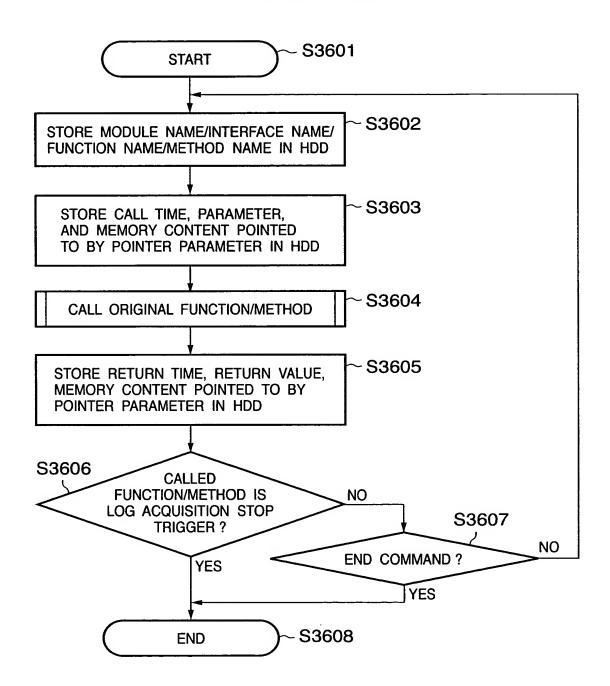


FIG. 37

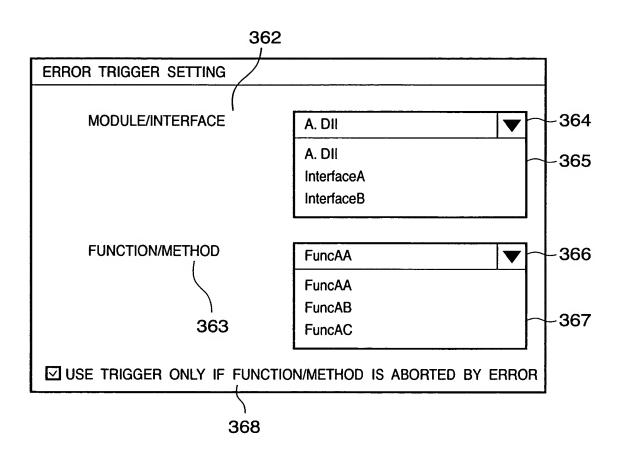


FIG. 38

MODULE NAME:

FUNCTION NAME:

ARGUMENT:

RETURN VALUE:

A. DLL

FuncAA

DWORD dwlD: Err>100

DWORD dwRet: Err==0

MODULE NAME:

FUNCTION NAME:

ADCHMENT.

ARGUMENT: RETURN VALUE: A. DLL FuncAB

DWORD dwHandle: Err==0

int nRet: Err < = -1

MODULE NAME:

INTERFACE NAME :

METHOD NAME :

ARGUMENT: RETURN VALUE: B. DLL

InterfaceA MethodAA

DWORD dwID: Err>100

DWORD dwHandle: Err==0

MODULE NAME:

INTERFACE NAME:

METHOD NAME:

ARGUMENT:

B. DLL

InterfaceA

MethodAB

DWORD dwID: Err<=0

RETURN VALUE: DWORD dwRet: Err!=0

MODULE NAME:

INTERFACE NAME:

METHOD NAME:

ARGUMENT: RETURN VALUE: B. DLL

InterfaceB MethodBA

DWORD dwID : Err>=0

DWORD dwRet: Err!=0

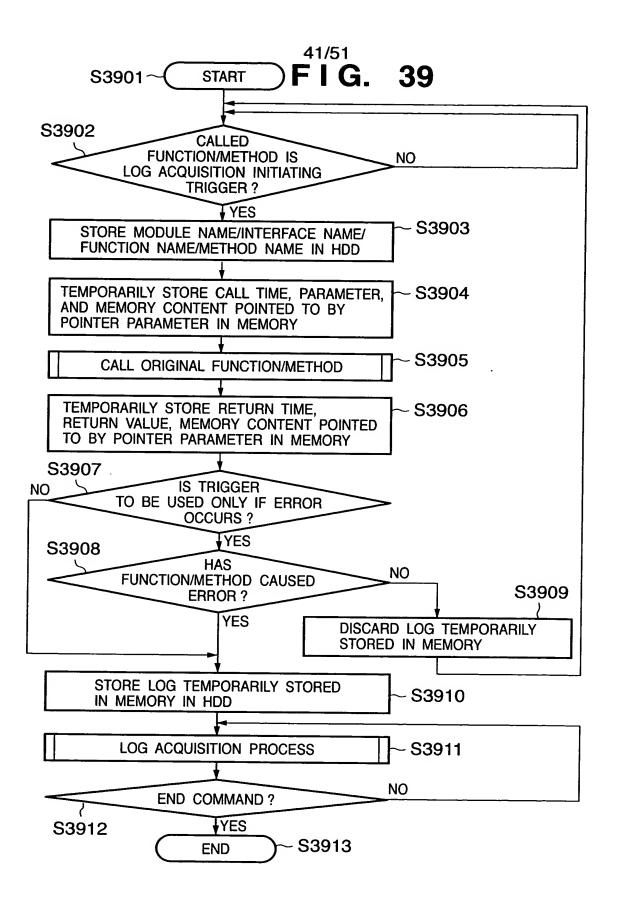
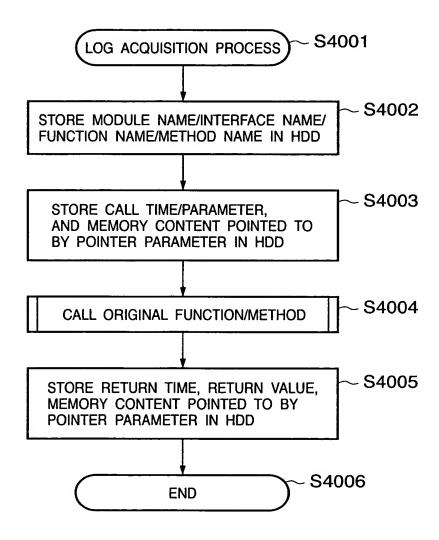


FIG. 40



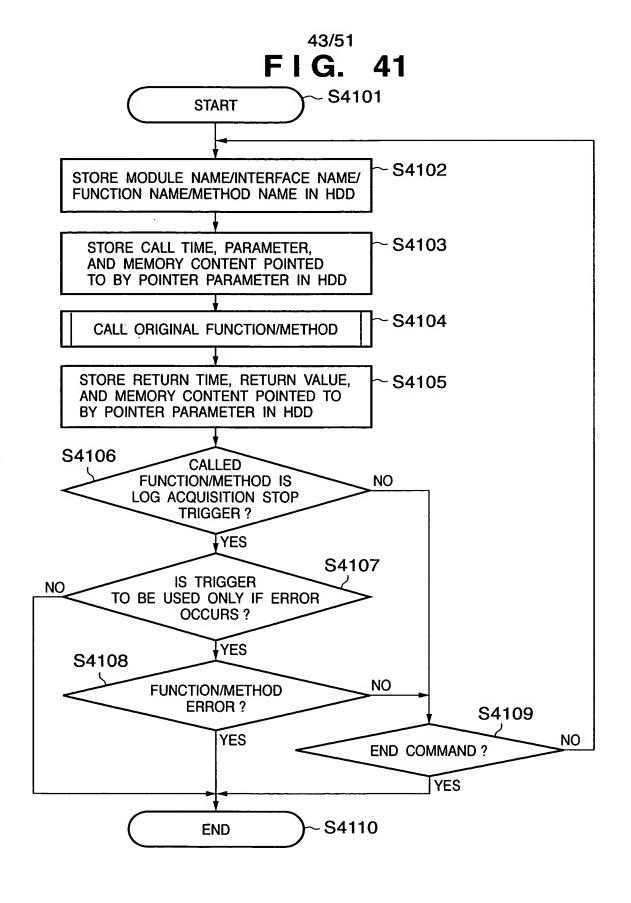


FIG. 42

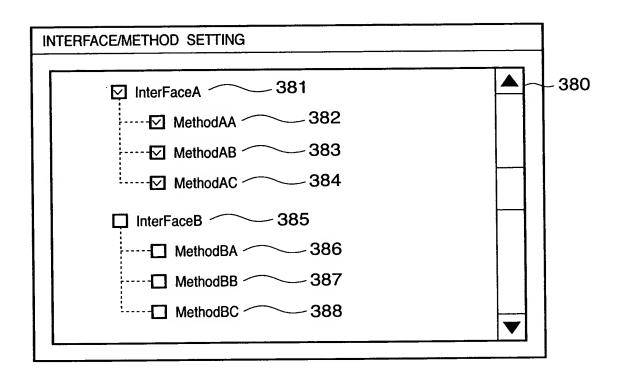


FIG. 43

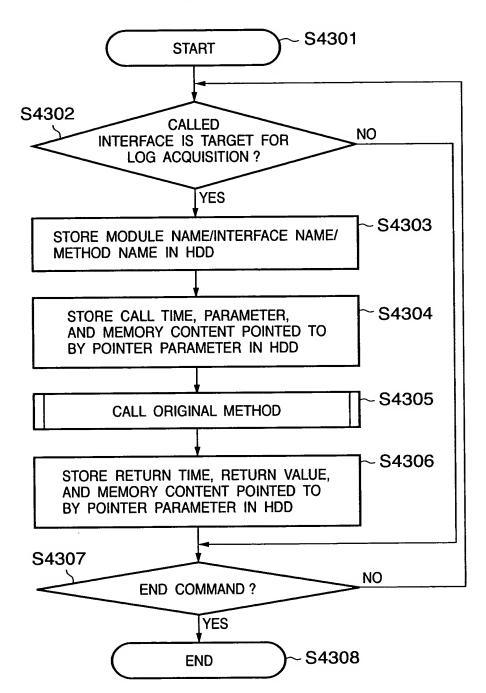


FIG. 44

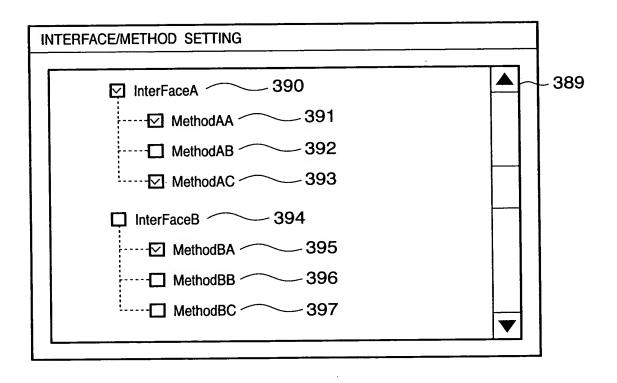
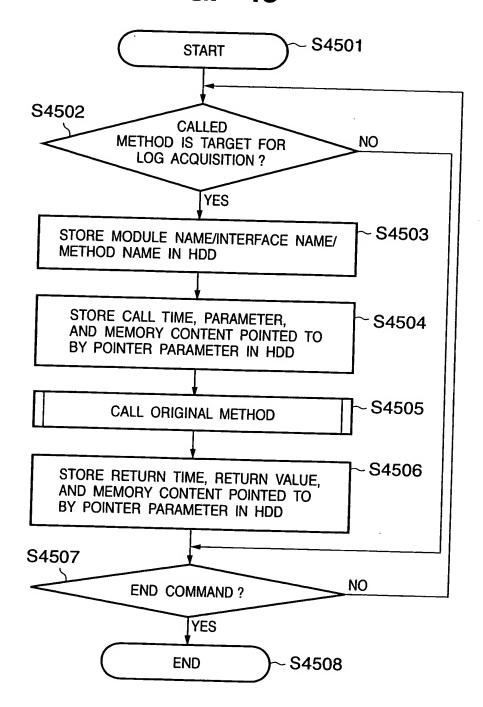
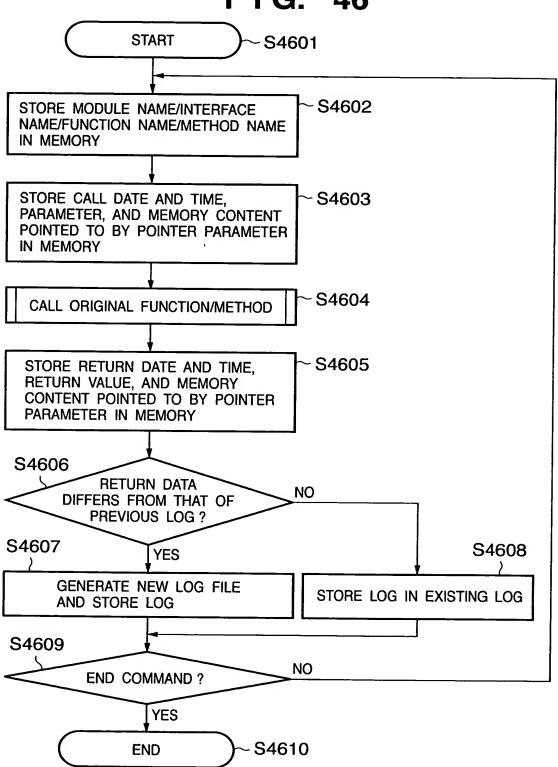


FIG. 45



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FIG. 46



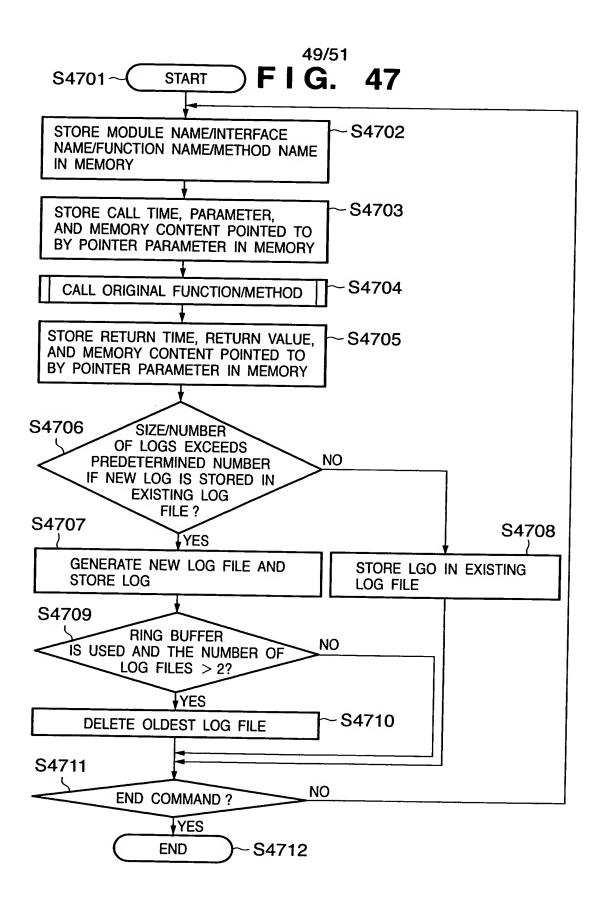


FIG. 48

398 399 MODULE NAME LOG STORAGE MEMORY AREA 1 INTERFACE NAME FUNCTION/METHOD NAME **CALL TIME** LOG STORAGE MEMORY AREA 2 PARAMETER DATA AT CALL TIME **END TIME** PARAMETER DATA AT END TIME LOG STORAGE MEMORY AREA 3 RETURN VALUE DATA LOG STORAGE MEMORY AREA 4 LOG STORAGE MEMORY AREA n-1 LOG STORAGE MEMORY AREA n

